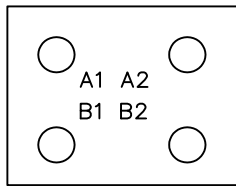
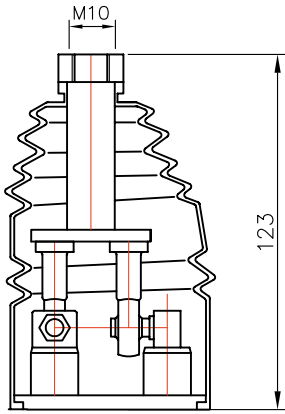
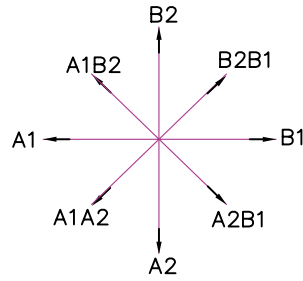
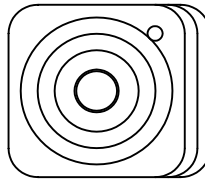


**JOYSTICK**

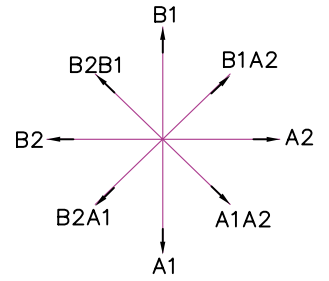
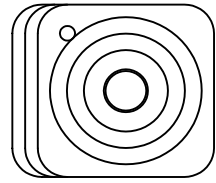
This control gives the possibility to operate, at the same time two spool with a joystick movement



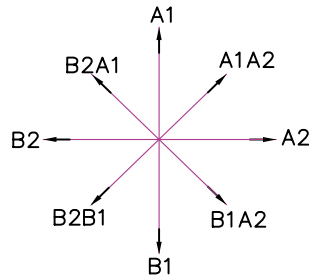
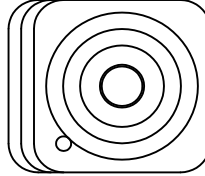
standard version 1



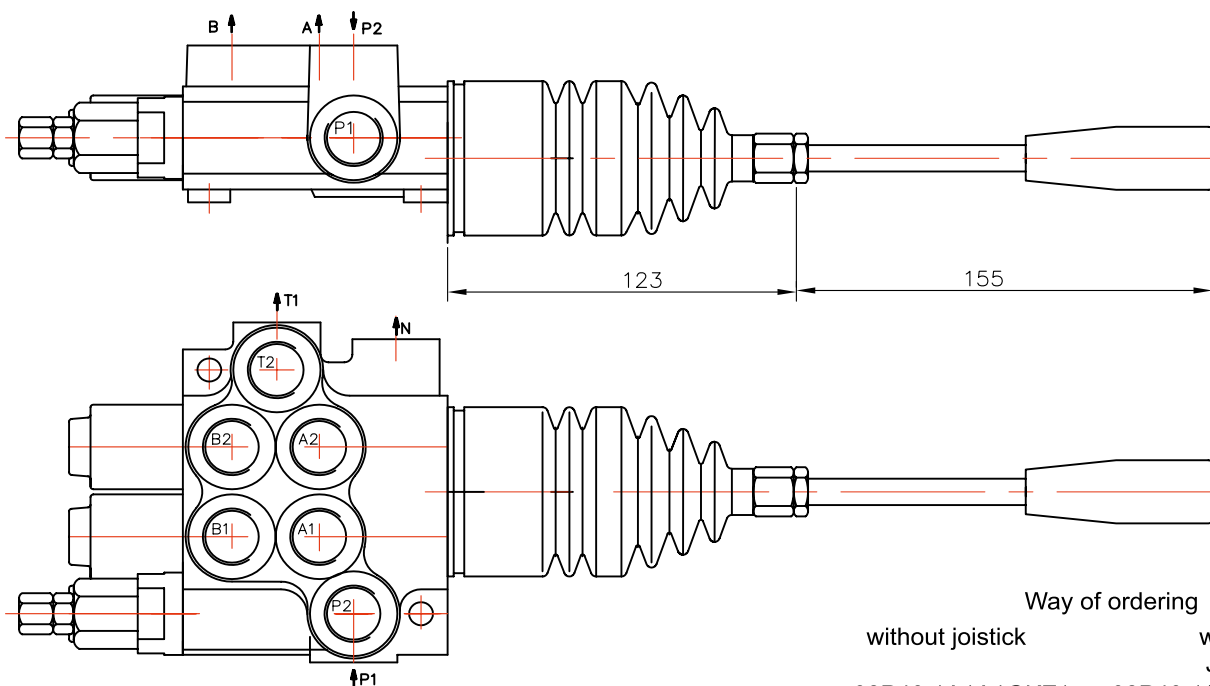
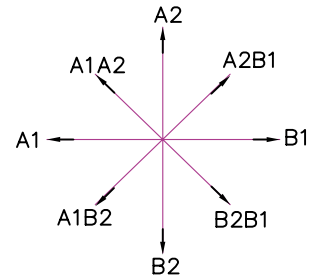
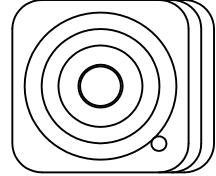
standard version 2



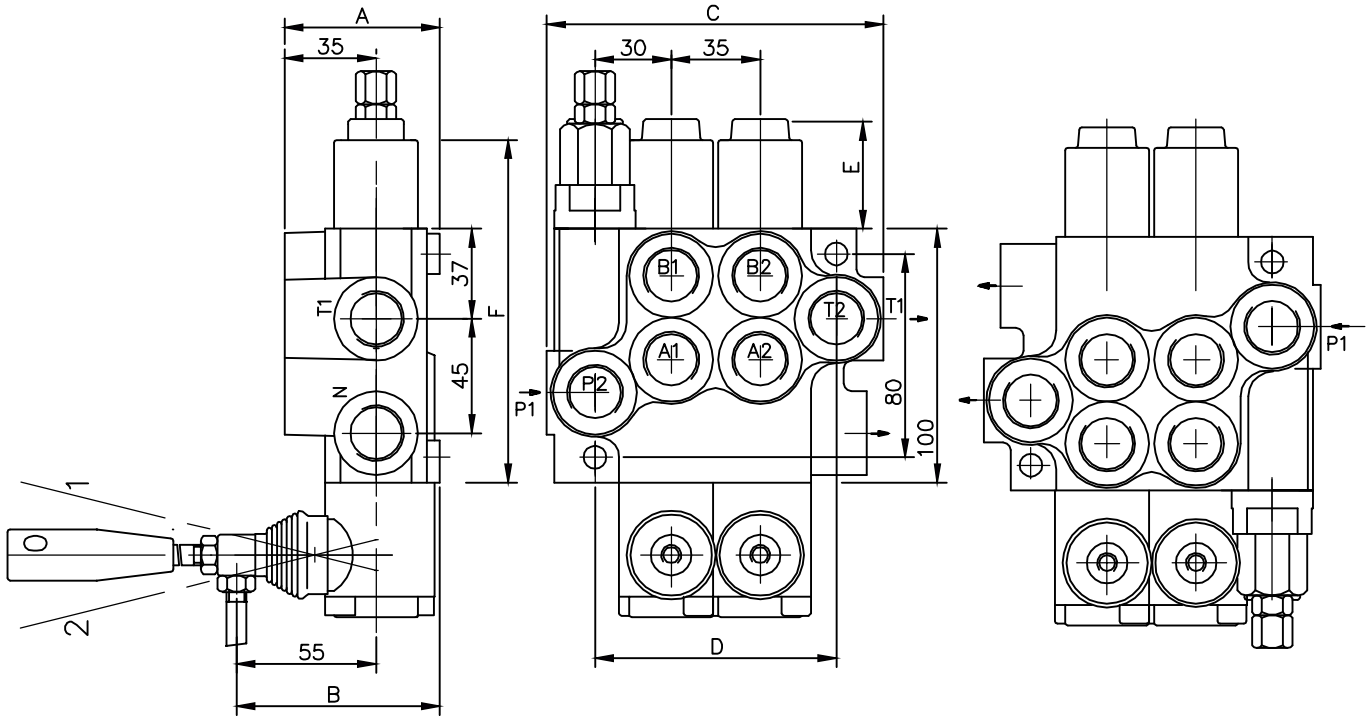
standard version 3



standard version 4



Way of ordering  
 without joystick: 02P40 1A1A1GKZ1  
 with joystick: 02P40 1(A1A1)(js+3)G



- 0 — Block with common check valve
- 2 — Number of spools
- Z50 — Directional control valve type
- R — Inlet high pressure – right
- A — First spool distribution type e
- 1 — Spool control / detend and etc.
- A — Second spool distribution type
- 1 — Spool control / detend and etc.
- G — Ports / Threads
- KZ1 — General operation feature
- T — With “teton”
- H — Operation feature – pneumatic
- E — With electric switch
- C2 — High pressure carry over
- 11 — Connection ports in use

**Table 1**

Type	A	B	C	D	P1	P2	T1	T2
01Z50	60	80	85	60	+	-	+	-
02Z50	60	80	129	97	+	+	+	+
03Z50	60	80	164	132	+	+	+	+
04Z50	60	80	199	167	+	+	+	+
05Z50	60	80	234	202	+	+	+	+
06Z50	60	80	269	237	+	+	+	+
07Z50	60	80	304	272	+	+	+	+

**Table 2**

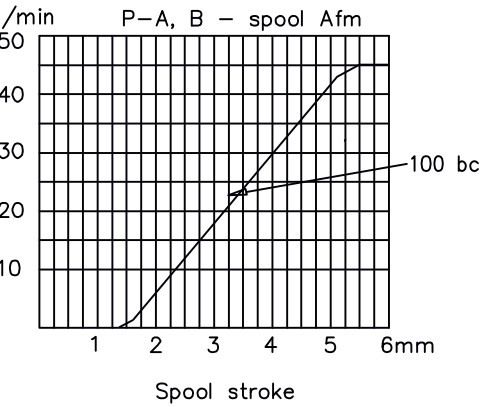
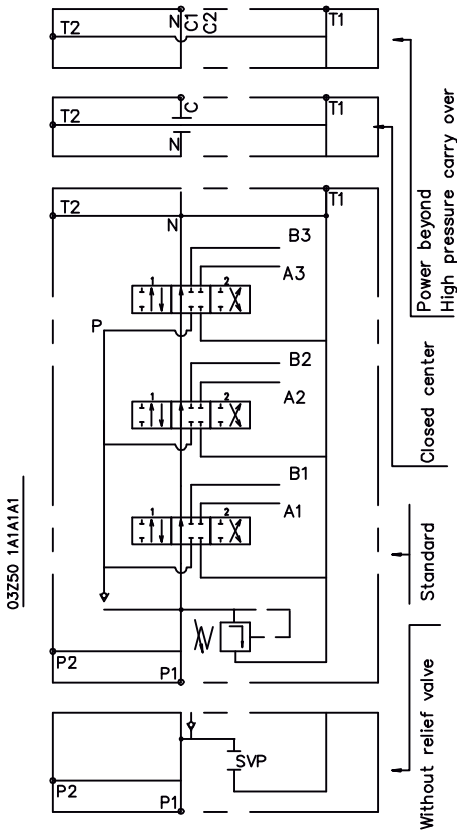
Spool control	E	F
1, 4, 5, 6, 7, 8, 9, 10, 11	40	193
2, 3	72	225
16	+	+

**Table 3**

Code	Spools
01	1
02	2
03	3

**Table 4**

Code	Way of distribution
1	Parallel



Code	Spool type
A	
B	
C	
D	
E	
F	
G	
H	
M	
N	
O	
P	
Q	
R	
S	
T	
*K	
**L	

\*Only for left hand configuration

\*\*Only for right hand configuration

**Table 6**

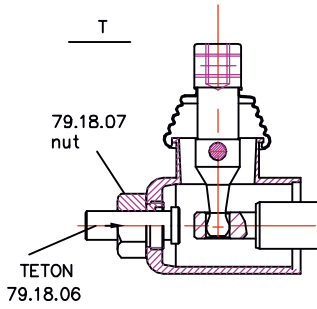
Code	Spool control
1	
2	
3	
4	
5	
6	
7	
8	
9	
10	
11	
15*	
16*	
12**	
13**	

**Table 7**

Code	Incorporated microswitch
E	 Microswitch type Omron - V 165 I C5

**Table 8**

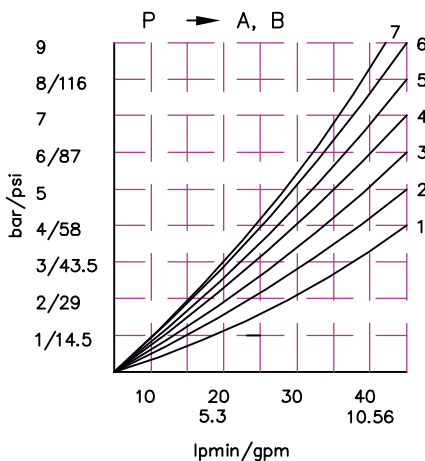
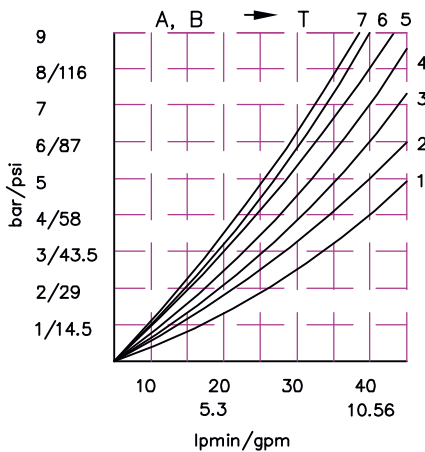
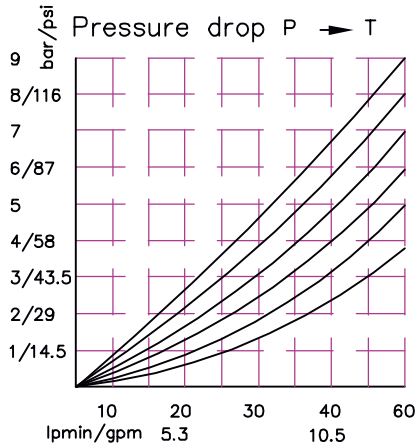
Code	Operation feature
P	 On-off pneumatic control, 5-10 bar, ports NPTF 1/8-27
H	 On-off hydraulic control, P <sub>n</sub> : 5-20 bar, ports G 1/4



**Table 9**

Code	- Ports Threads				
	P	A, B	T	N	C2
<b>M</b>	M22x1.5	M18x1.5	M22x1.5	M22x1.5	M22x1.5
<b>G</b>	G 1/2	G 3/8	G 1/2	G 1/2	G 1/2
<b>S</b>	7/8-14UNF	3/4-16UNF	7/8-14UNF	7/8-14UNF	7/8-14UNF

Types of Hand Control



**Table 10**

Code	Feature	Code	Feature	Code	Feature
<b>KZ</b>		<b>KY</b>		<b>KI</b>	
<b>KZ1</b>		<b>KY1</b>		<b>KI1</b>	
<b>KZ0</b>		<b>KY0</b>		<b>KI0</b>	
<b>KZ01</b>		<b>KY01</b>		<b>KI01</b>	
-	Without hand control				

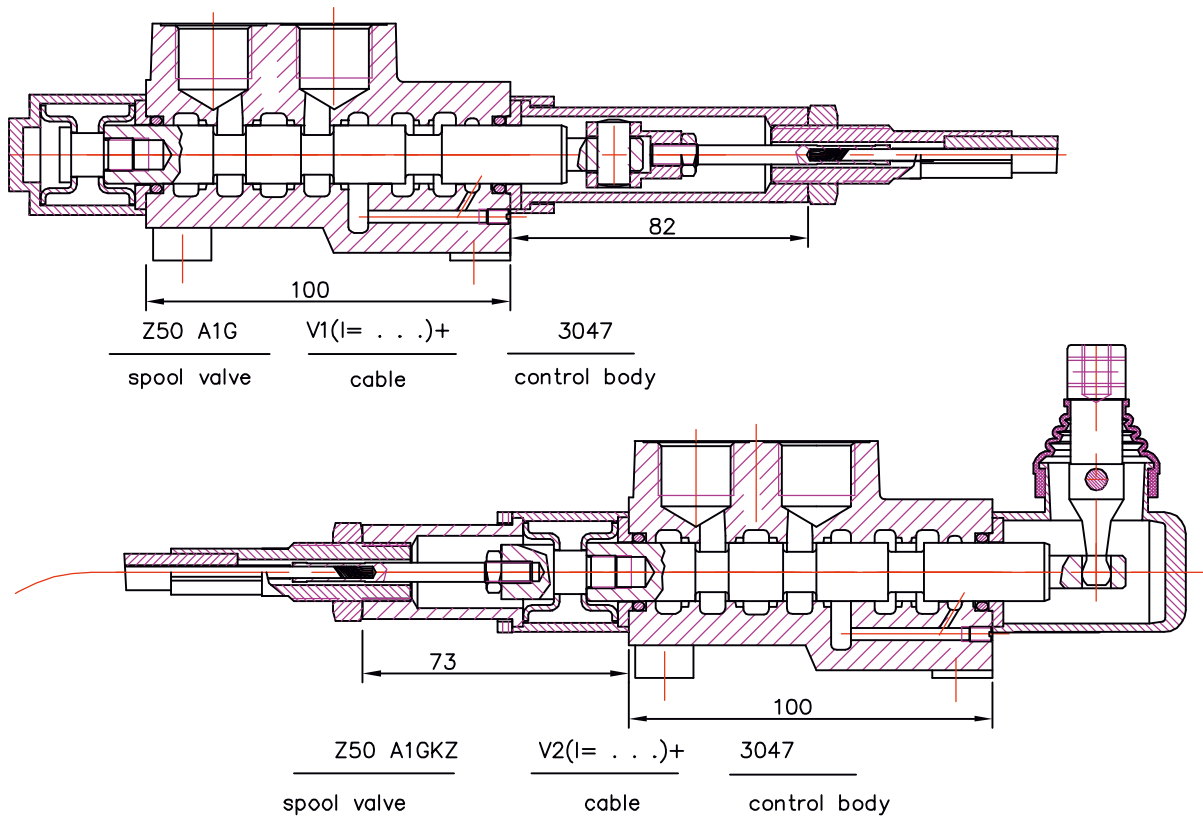
**Table 11**

Code	Feature	Diagram
<b>C</b>	Closed center	
<b>C2</b>	Part for carry over	
-	Without part for pressure carry over	
<b>X</b>	Power beyond ever to tank	

**Table 12**

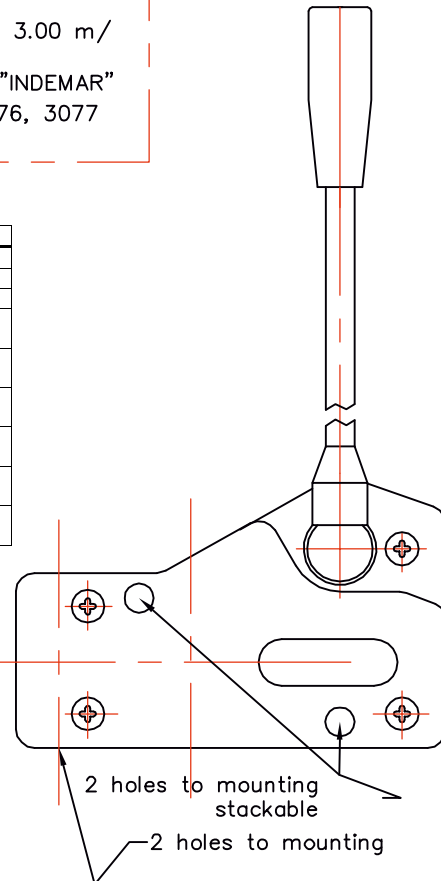
Code	Used connection ports
<b>11</b>	P1, T1
<b>12</b>	P1, T2
<b>21</b>	P2, T1
<b>22</b>	P2, T2

**REMOTE CONTROLS**



Cable "INDEMAR" Cod. IT 3056 /l=1.00; 1.50; 2.00; 2.50; 3.00 m/  
+control body "INDEMAR" code 3047, 3076, 3077

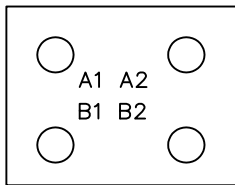
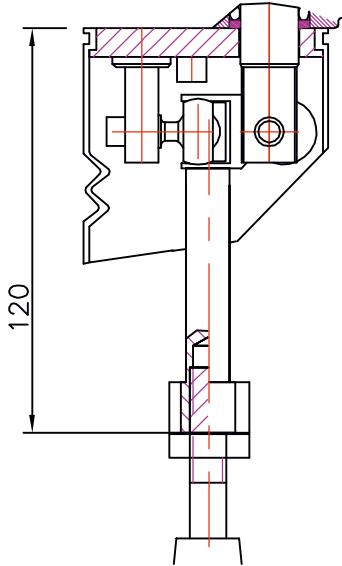
Technical Specifications			
	3047	3076	3077
Stroke	13 + 13 mm	13 + 13 mm	13 + 13 mm
Max. Load	45 kg.	45 kg.	45 kg.
Level Ratio	10:1	10:1	10:1
Lock in Neutral	No	No	Yes
Antireverse Lock	No	Yes	No
Body Colour	Black	Black	Black
Cables Type	Heavy Duty	Heavy Duty	Heavy Duty
Operating Temperature	-40...+80 °C	-40...+80 °C	-40...+80 °C



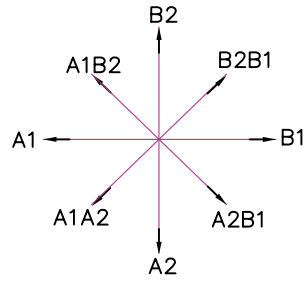
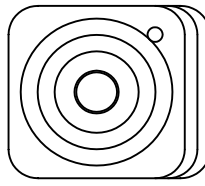
\*High solidity controls for easy mounting on every type of distributor. They can be mounted stand alone or packed together. They use push-pull heavy-duty cables that provide a positive smooth operating lever and are manufactured in a three different models to meet different needs of clients.

**Joystick "+"**

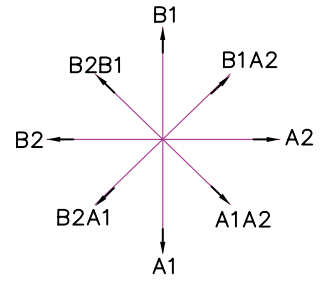
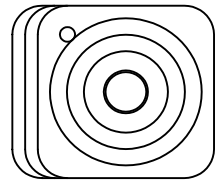
This control gives the possibility to operate, at the same time two spools with a "+" movement.



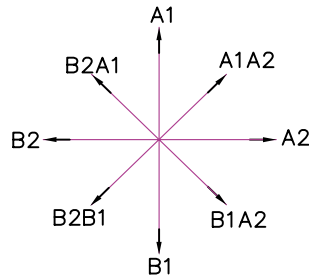
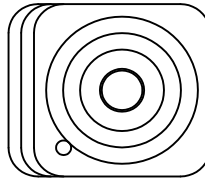
standard version 1



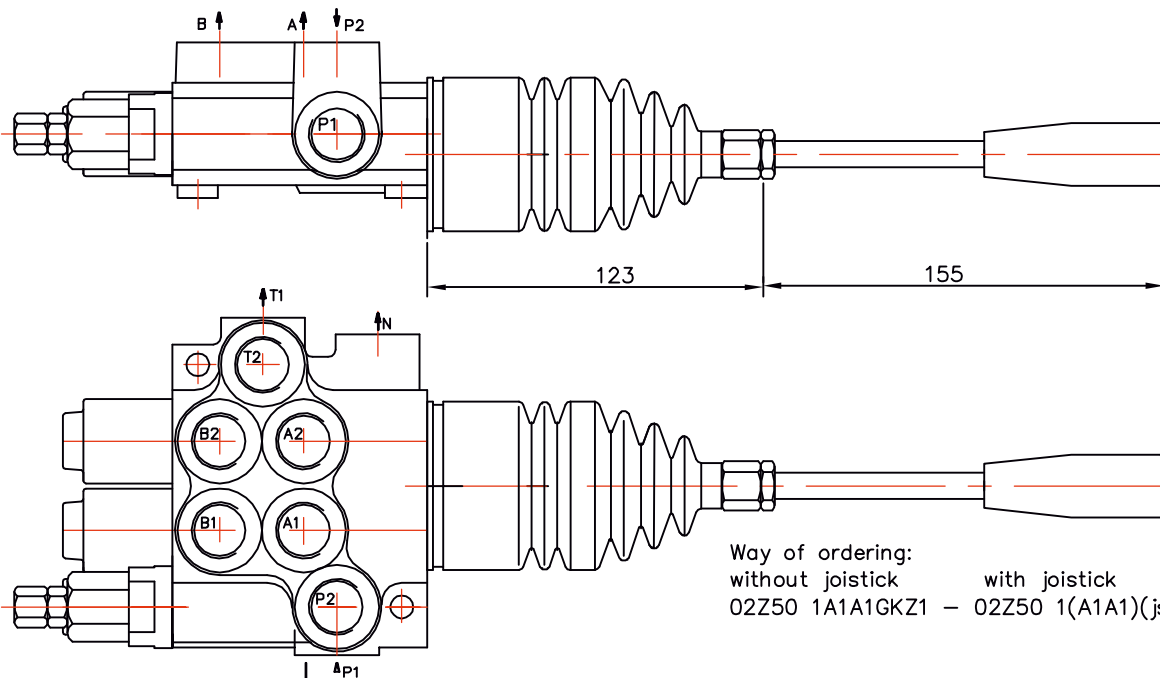
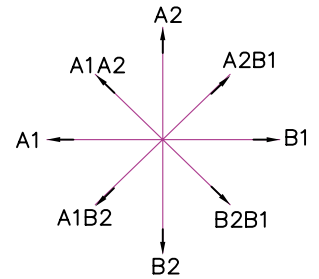
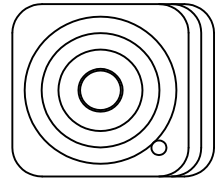
standard version 2



standard version 3



standard version 4



Way of ordering:  
 without joystick      with joystick  
 02Z50 1A1A1GKZ1 - 02Z50 1(A1A1)(js+3)G